



**DEFENSE LOGISTICS AGENCY**  
 LAND AND MARITIME  
 POST OFFICE BOX 3990  
 COLUMBUS, OH 43218-3990

November 19, 2012

Ms. Beth Parker  
 Microsemi Lawrence  
 6 Lake Street  
 Lawrence, MA 01841-3011

Dear Ms. Parker:

Re: Notification of Qualification, MIL-PRF-19500P, FSC 5961, VQ (VQE-13-025425)  
 CAGE Code: 43611, Control Number: 037818

Qualification of your product is granted under the current issue of the specification as a result of successful qualification testing of device type JANTXV1N6659 as allowed by paragraph E.4.1 of Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification MIL-PRF-19500/616G. Extension is granted to the other devices listed below as allowed by paragraph E.4.2.2 (Qualification by extension). Therefore, your products will be listed as shown below in Qualified Manufacturers List (QML) 19500. The effective date of this qualification is November 19, 2012. The starting lot date code is R1139.

The qualification lot Thermal Impedance conditions and upper limits are as follows (subject to change after 5 lots):

Package	I <sub>M</sub>	I <sub>H</sub>	t <sub>H</sub>	t <sub>MD</sub>	Z <sub>θJX</sub> (Screening)	Z <sub>θJX</sub> (QCI)
T0-254	10 mA	10 A	50 ms	100 μs	1.04 °C/W max	1.20 °C/W max
Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address	
**1N6657 through 1N6659, R	NS	CDWR	19500-3641-12	/616	Same as above	
**1N6762 through 1N6765, R				/642		
**1N6774 through 1N6777				/646		
** Includes JAN, JANTX & JANTXV quality levels only					Plant 11: Microsemi AMMSG 11861 Western Ave Garden Grove, CA 92641	

This qualification approval is based upon test report number 19500-3641-12 for your die and package, your letter dated September 5, 2012 requesting qualification, and is subject to the conditions as stated in the SD-6 and DOD 4120.24M.

Because we are held responsible for the accuracy and currency of this Qualified Manufacturers List, please let us know if your company discontinues production of these products. Also, manufacturers are required to inform this office immediately after learning of a potential issuance of a GIDEP alert, problem advisory, or other problem notification on their QML product. If you have any questions, please contact Mr. Deslich at 614-692-0593.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE  
 Chief  
 Sourcing and Qualifications Division